

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Currently Amended) A manufacturing process for a microwave corrugated-horn waveguide antenna comprising a horn, a circular polarizer, and an impedance adapter forming a first, a second, and a third section respectively, the process comprising the steps of:

thermoforming the external surface of a conical block of synthetic foam in a single step, using a single mold, of the first, the second, and the third sections on the external surface of a block of synthetic foam to create a horn, a circular polarizer and an impedance adapter of the antenna by deformation of said external surface, and then

metallizing the external surface of the conformed thermoformed block of foam in order to form the antenna.

2. (Cancelled)

3. (Cancelled)

4 – 8. (Cancelled)